APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/815,971	03/22/2001	Terrence Yee	INTR-00401	7649

7590 06/09/2004	**EXAMINER**
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ART UNIT	PAPER NUMBER
2175	

DATE MAILED: 06/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/815,971	YEE, TERRENCE
	Examiner	Art Unit
	Sam Rimell	2175

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
   closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-21* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-21* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
         application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

SAM RIMELL
PRIMARY EXAMINER

Attachment(s)

1)☐ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.
4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed
in the United States before the invention by the applicant for patent or (2) a patent granted on an application for
patent by another filed in the United States before the invention by the applicant for patent, except that an
international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this
subsection of an application filed in the United States only if the international application designated the United
States and was published under Article 21(2) of such treaty in the English language.

Claims 1-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Nakano et al.

(U.S. Patent 6,505,212).

Claim 1: Reference is made to Fig. 12 and its associated description at col. 9, lines 4-57.

FIG. 12 discloses an actual file (1235) respectively marked as having two versions of content

"A" and "B". The attributes of the file are recorded in a history object (1220). As seen from the

history object, the file is associated with two different generations, and changed its content from

"A" to "B" when it went from the first generation "G0" to the second generation "G2". Thus, the

"new attribute" is the indicator of the new generation of the file "G2" and the prior attribute is

the indicator of the prior generation of the file "G0".

The new attribute "G2" is stored with the history object in a backing storage (160). The

memory device also includes at least a single version of the file, such as the version having the

content "B". The history object allows the file (1240) to share its prior attributes "G0" and its

new attributes "G2".

Claim 2: The development of the history object is made in connections with the

development of websites (col. 4, lines 52-58).

Claim 3: Changes to files are made in a work area (col. 2, lines 36-53) and FIG. 3. The

memory device (160) is part of a development server (130).

Claim 4: The history object includes pointer "F1" and "F2" which associates both the new attributes "G2" and previous attribute "G0" with file contents (1235).

Claim 5: Any of the file contents and history objects may inherently be erased as form of alteration. In such instance, the sharing of the prior and new attributes by the file is eliminated.

Claim 6: Version "B" of the file (1235) is a new file contents that differs form the previous version of the file "A".

Claim 7: The previous version of the file "A" is retained in memory along with its prior attribute "G0". The new version of the file "B" is also saved along with its new attribute "G2".

Claim 8: The history object (1220) creates an association that associates the newer version of the file "B" with the new attribute "G2". The step of updating the new attribute is the step of generating pointers "F1" and "F2" that respectively point to the previous version "A" and the new version "B".

Claim 9: The history object (1220) creates an association that associates the new version of the file "B" with the prior attribute "G0", as well as the new attribute "G2". The step of "updating" the prior attributes is the step of generating pointers "F1" and "F2" that respectively point to the previous version "A" and the new version "B".

Claim 10: As seen in FIG. 12, a new attribute "G3" can be created on another history object. This is readable as a third attribute. Since G3 can be associated with the history object (1220) it appears to be associated with all of the attributes defined in the history object (1220).

Claim 11: Pointers similar to the pointers "F1" and "F2" can be associated with any of the attributes "G1", "G2" or "G3".

Claim 12-14: The creation of a pointer, such as "F1" or "F2" is considered to be the same as "identification" of a pointer. Any number of pointers, such as "F1" or "F2" can be created. The pointers always associate attributes, such as "G0" and "G2" with specific versions of file content.

Claim 15: FIG. 2 discloses a work area and a staging area. Alterations in the work can be, for example, establishing new generations of a file 1235, such as illustrated in FIG. 12. The prior attribute of the file is the designator "G0" and the new attribute of the file is the designator "G2". The attribute "G2" is considered to be a "new" or "altered" attribute.

Claim 16: FIG. 2 further illustrates an edition area (330) for storing contents of a website under development (col. 2, lines 48-53).

Claim 17: The system of Nakano et al. includes a persistent backing store (160).

Claim 18: FIG. 12 illustrates pointers, such as "F1" and "F2" for associating prior and new attributes "G0" and "G2" with specific versions of file content.

Claim 19: See remarks for claim 5.

Claim 20: All file contents may be stored in the persistent backing store (160).

Claim 21: The persistent backing store will store the files along with their history objects shown in FIG. 12. The history objects associate prior attributes and new attributes (G0 and G2 respectively) with prior and new file contents ("A" and "B" respectively). The "updating" of the attributes is the step of creating pointers, such as "F1" and "F2" that link the attributes to the prior and new file contents ("A" and "B" respectively).

Remarks

Applicant's arguments have been considered.

Applicant argues that the reference to Nakano et al. does not disclose the feature of altering an attribute of a file, and prior to the altering, the attribute included in a prior set of attributes. This feature was found to exist in the Nakano et al. reference and was explained in detail in the discussion associated with FIG. 1. In summary, examiner finds that the "attribute" is the Generation ID, such as "G0" or "G1". The attribute "G0" refers to the prior generation and the attribute "G1" refers to the later generation. Thus the attribute G0 is altered to G2 in the later generation. Examiner fully maintains that generation designators such "G0" and G2" are in fact file attributes. As seen in FIG. 12, these generation designators are linked to specific files in specific generations, thus they can be read as attributes associated with specific files.

Applicant argues that Nagano et al. does not disclose a work area including a file undergoing development and having attributes. This feature was explained in the discussion associated with FIG. 15. In summary, the work areas are discussed in the flow chart of FIG. 2 and shown diagrammatically in FIG. 3. FIG. 12 illustrates the attributes associated with the files, such as "G0" and "G2" which designate different generations of file content.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Any inquiry concerning this communication should be directed to Sam Rimell at

telephone number (703) 306-5626.

Sam Rimell
Primary Examiner
Art Unit 2175